

5' GAC GTG TTT GGC AGC GGG ACG CAC CAT TTC AGT TGT GTT CTT GGT TCA TTT CGT

9	18	27	36	45	54
63	72	81	90	99	108
GTC TCG GCG ATG TTT CCT AGA GTC TCG ACG TTC CTA CCT CTT CGC CCC CTT TCC	M F P R V S T F L P L R P L S				
117	126	135	144	153	162
CGC CAC CCT TTTG TCC TCT GGA AGC CCG GAG ACA TCA GCG GCT GCG ATT ATG CTA	R H P L S S G S P E T S A A A I M L				
171	180	189	198	207	216
CTC ACT GTT CGG CAC GGA ACA GTC AGG TAC CGC AGT TCA GCG CTG TTG GCC CGG	L T V R H G T V R Y R S S A L L A R				
225	234	243	252	261	270
ACA AAA ATC AAC ATC CAA AGA TAT TTT GGC ACT AAC AGT GTG ATC TGT AGC AAG	T K N N I Q R Y F G T N S V I C S K				
279	288	297	306	315	324
AAA GAT AAG CAG TCT GTT CGA ACT GAG GAG ACT TCC AAG GAG ACT TCA GAG AGC	K D K Q S V R T E E T S K E T S E S				
333	342	351	360	369	378
CAA GAC AGT GAA AAG GAA ATT ACG AAA AAA GAC TTG TTA GGC ATT ATT AAG GGC	Q D S E K E N T K K D L L G I I K G				

FIGURE 1A

	387	396	405	414	423	432
ATG	AAA	GTT	GAA	TTA	AGC	ACA
M	K	V	E	L	S	T
	441	450	459	468	477	486
AGA	CCA	CTT	AAA	AGT	TTG	GAA
R	P	L	K	S	L	E
	495	504	513	522	531	540
TAT	GCT	CCA	AAG	AAG	ATT	GAG
Y	A	P	K	R	I	E
	549	558	567	576	585	594
TCT	GCT	GTG	GCA	GAT	TCT	CTC
S	A	V	A	D	S	L
	603	612	621	630	639	648
CTG	AGC	CAG	CTC	CAG	CAT	GAG
L	S	Q	L	Q	H	E
	657	666	675	684	693	702
CGA	CCT	AAA	ATT	AGT	TTC	AGT
R	P	K	I	S	F	N
	711	720	729	738	747	756
GCT	ACA	GCT	AGA	GTT	CGT	TCA
A	T	A	R	V	S	R

FIGURE 1B

765	TAT GAC AAT TAT CCT GGC CAG GAG AAG ACG GAT GAT	774	783	792	801	810
Y D N Y P G Q	E K T D D L K R K N					
819	ATA TTC ACA GGG AAA AGA CTT AAT ATT TTT GAC ATG ATG GCA GTT ACT AAA GAA	828	837	846	855	864
I F T G K R L N I F D M M A V T K E						
873	GCA CCT GAA ACA GAC ACA TCA CCT TCA CTT TGG GAT GTG GAA TTT GCT AAG CAG	882	891	900	909	918
A P E T D S P S L W D V E F A K Q						
927	TTA GCC ACA GTA AAT GAA CAA CCC CTT CAG AAT GGA TTT GAA GAG CTG ATC CAG	936	945	954	963	972
L A T V N E Q P L Q N G F E E L I Q						
981	TGG ACA AAA GAG GGG AAA CTA TGG GAG TTC CCA ATT AAC AAT GAA GCA GGT TTT	990	999	1008	1017	1026
W T K E G K L W E F P I N N E A G F						
1035	GAT GAT GGT TCA GAA TTT CAT GAA CAT ATA TTT CTG GAG AAA CAC CTG GAG	1044	1053	1062	1071	1080
D D G S E F H E H I F L E K H L E						
1089	AGC TTT CCA AAA CAA GGA CCA ATT CGC CAC TTC ATG GAG CTG GTG ACT TGT GGC	1098	1107	1116	1125	1134
S F P K O G P I R H F M E L V T C G						

FIGURE 1C

1143	1152	1161	1170	1179	1188
CTT TCC AAA AAC CCA TAT	CTT AGT GTT AAA CAG AAG	GTT GAA CAC	ATA GAG TGG		
L S K N P Y	L S V K Q	V K V	E H I	E W	
1197	1206	1215	1224	1233	1242
TTT AGA AAT TAT TTT AAT GAA AAA AAG GAT ATT CTA AAA GAA AGT AAC ATA CAG					
F R N Y F N E K K D I L K E S N I Q					
1251	1260	1269	1278	1287	1296
TTC AAT TAA GAC CAT GGA AAT TTT TAT TTC AAA CAA TTA GAG ATG GAT ATT ACA					
F N					
1305	1314				
ACT AAA TAA AAT AAT TGC					3'

FIGURE 1D

FIGURE 2A

1	M E P R V S T F L P L R P L S R H P L S S G S P E T S A A A I M L L T V R H G T	035842
1	M L H R I P A F L R P R P F S G L P L S C G N R D V S V A - - V L P A A Q S G A	GI 1272669
41	V R Y R S S A L L A R T K N N I Q R Y F G T N S V I C S K K D K Q S V R T E E T	035842
39	V R - - - - - T E N N I Q R H F C T S R S I C S K K V D Q S V P A N E I	GI 1272669
81	S K E T S E S Q D S E K E N T K K D L L G I I K G M K V E L S T V N V R T T K P	035842
70	S Q K A A E S Q G R G K E T L K K D L L D I I K D M K V D L S T A N V K T P K P	GI 1272669
121	P K R R P L K S S L E A T L G R L R B A T E Y A P K K R I E P L S P E L V A A S	035842
110	R G R K P S A S L E A T V D R L Q K A P E D P P K K R N E F L S P E L V A A S	GI 1272669
161	A V A D S L P F D K Q T T K S E L L S Q L Q Q H E E E S R A Q R D A K R P K I S	035842
150	A V A D S L P F D K Q T T K S E L L R Q L Q Q H E E E L R A Q K D R E K R R I S	GI 1272669
201	F S N I I S D M K V A R S A T A R V R S R P E L R I Q F D E G Y D N Y P G Q E K	035842
190	F T H I I S N M K I A K S P S G R A S T R P Q H Q I O F D E D M D S S L K Q E K	GI 1272669
241	T D D L K K R K N I F T G K R L N I F D M M A V T K E A P E T D T S P S L W D V	035842
230	P T D F R K R K Y L F K G K R L S I F A D K A F A D E P P E P E A S P S L W E I	GI 1272669
281	E F A K Q L A T V N E Q P L Q N G F E E L I Q W T K E G K L W E F P I N N E A G	035842
270	E F A K Q L A S V A D Q P F E N G F E E M I Q W T K E G K L W E F P V N N E A G	GI 1272669

FIGURE 2B

321 **[F D D G S E F H E H I F L E K H L E S F P K Q G P I R H F M E L V T C G L S K 035842**
310 **L D D G S E F H E H I F L D K Y L E D F P K Q G P I R L F M E L V T C G L S K GI 1272669**

361 **N P Y L S V K Q K V E H I E W F R N Y F N E K K D I L K E S N I O F N 035842**
350 **N P Y L S V K Q K V E H I E W F R N Y F N E K R D I L K E N N I A F T**

